

IN THE ABSTRACT:

Please replace the Abstract with the following amended Abstract.

ABSTRACT

(57) Abstract: The present invention relates to A method of and apparatus for controlling the flow of working medium through an expansion device (1) for use in a closed heating system. In addition to the expansion device (1), the system which also includes a condenser (13), a pump (16) and a boiler. (10), wherein the The expansion device consists in is a helical screw rotor expander (1) that has an inlet port (2) with an inlet line (11) connected thereto, and an outlet port (3). The expansion device drives an energy producing device (6), for instance, such as a generator. The method is characterized by providing the The helical screw rotor expander (1) with has an intermediate pressure port (4) between the inlet port (2) ad and the outlet port (3), by connecting the intermediate pressure port (4) with the inlet line (11) via and a branch line (18) is connected between the intermediate pressure port (4) and a branching point (21) in the inlet line, by including a. A valve (19) is in the branch line (18), and by controlling the. The flow of working medium through the valve (19) to the intermediate pressure port (4) is controlled as a function of a state parameter. The invention also relates to an arrangement which is characterized in that includes an intermediate pressure port (4) in the expander (1) between the inlet port (2) and

the outlet port (3), in that it further includes a branch line (18) which connects the intermediate pressure port (4) with the inlet line (11) at a branching point (21) and includes a valve (19) in the branch line (18).